

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A digital video receiver, which receives and decodes a broadcasting program comprising program data, representing contents of the broadcasting program, and program information, creates and transmits a predetermined type of data stream to a recording/reproducing apparatus connected to the digital video receiver through an interface, the digital video receiver comprising:

a program information converter operable to convert the program information included in the broadcasting program into a format suitable for the recording/reproducing apparatus, wherein the program information is decoded prior to the converting; and

a stream generator operable to receive the converted program information and decoded program data included in the decoded broadcasting program, and further operable to create the data stream with the converted program information and the decoded program data,

wherein the program information comprises Program and System Information Protocol (PSIP) information in an Advanced Television Systems Committee (ATSC) standard format, and the converted program information comprises Program Specific Information in an Institute of Electrical and Electronics Engineers (IEEE)1394 standard format, and

wherein said program information converter comprises a table generator operable to create at least one new table in the suitable format using at least one of a plurality of tables associated with the program information.

2. (original): A digital video receiver as set forth in claim 1, further comprising a program information analyzer operable to analyze the program information included in the data stream.

3. (canceled)

4. (currently amended): A digital video receiver as set forth in claim 1, wherein the program information is ~~the Program and System Information Protocol (PSIP)~~ information and the broadcasting program is in ~~the Advanced Television Systems Committee (ATSC)~~ format, and

wherein the PSIP complies with ~~an~~ the ATSC standard and the converted program information comprises a selection information table (SIT) and a discontinuity information table (DIT) in accordance with ~~an~~ the IEEE1394 standard.

5. (currently amended): A digital video receiver as set forth in claim 4, wherein at least one of the SIT, the DIT, a program association table (PAT), and a program map table (PMT) is created using information contained in at least one of a Virtual Channel Table (VCT), Master Guide Table (MGT), System Time Table (STT), Event Information Table (EIT) and Extended Text Table (ETT) tables of the PSIP information, and

wherein the PAT and PMT complies with ~~an~~ a Moving Picture Experts Group (MPEG) standard.

6. (currently amended): A digital video receiver as set forth in claim 1, wherein the interface is in accordance with ~~an~~ the IEEE1394 standard.

7. (currently amended): A stream creating method of a digital video receiver that receives and decodes a broadcasting program comprising program data, representing contents of the broadcasting program, and program information, creates a predetermined type of data stream, and then transmits the data stream to a recording/reproducing apparatus connected thereto through an interface, the stream creating method comprising:

(a) converting the program information included in the broadcasting program into a format suitable for the recording/reproducing apparatus that is connected to the digital video receiver through the interface, wherein the program information is decoded prior to the converting; and

(b) creating the data stream comprising the converted program information and decoded

program data included in the decoded broadcasting program,

wherein the program information comprises Program and System Information Protocol (PSIP) information in an Advanced Television Systems Committee (ATSC) standard format, and the converted program information comprises Program Specific Information in an Institute of Electrical and Electronics Engineers (IEEE)1394 standard format, and

wherein said converting operation comprises creating at least one new table in the suitable format for recording by using at least one among a plurality of tables of the program information.

8. (original): A stream creating method as set forth in claim 7, further comprising analyzing the program information in the data stream.

9. (canceled)

10. (currently amended): A stream creating method as set forth in claim 7, wherein the program information is ~~the Program and System Information Protocol~~ (PSIP) information and the broadcasting program is in ~~the Advanced Television Systems Committee~~ (ATSC) format, and

wherein the PSIP complies with ~~an~~ the ATSC standard and the converted program information comprises a selection information table (SIT) and a discontinuity information table (DIT) in accordance with ~~an~~ the IEEE 1394 standard.

11. (currently amended): A stream creating method as set forth in claim 10, wherein at least one of the SIT, the DIT, a program association table (PAT), and a program map table (PMT) is created using at least one of a Virtual Channel Table (VCT), Master Guide Table (MGT), System Time Table (STT), Event Information Table (EIT) and Extended Text Table (ETT) tables of the PSIP information, and

wherein the PAT and PMT complies with ~~an~~ a Moving Picture Experts Group (MPEG) standard.

12. (currently amended): A stream creating method as set forth in claim 7, wherein the interface is in accordance with ~~an~~the IEEE1394 standard.

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)

17. (currently amended): A digital video receiver as set forth in ~~claim 16~~ claim 1, wherein the format compatible with the recording/reproducing device apparatus is a Moving Picture Experts Group (MPEG)-2 format.